

## PCT COOPERATION TREATY

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NOTIFICATION OF RECEIPT OF  
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(PCT Rule 24.2(a))

From the INTERNATIONAL BUREAU

To:

GRIFFITH HACK  
509 St Kilda Road  
Melbourne, VIC 3004  
AUSTRALIE

Date of mailing (day/month/year) 14 September 2000 (14.09.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference VS:FP13136	International application No. PCT/AU00/00886

The applicant is hereby notified that the International Bureau has received the record copy of the international application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

BIOMOLECULAR RESEARCH INSTITUTE LTD et al (for all designated States except US)  
BARNHAM, Kevin, Jeffrey et al (for US)

International filing date : 21 July 2000 (21.07.00)  
Priority date(s) claimed : 23 July 1999 (23.07.99)  
Date of receipt of the record copy  
by the International Bureau : 09 August 2000 (09.08.00)  
List of designated Offices :

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UZ,VN,YU,ZA,ZW

## ATTENTION

The applicant should carefully check the data appearing in this Notification. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the International Bureau.

In addition, the applicant's attention is drawn to the information contained in the Annex, relating to:

- ☒ time limits for entry into the national phase  
☐ confirmation of precautionary designations  
☒ requirements regarding priority documents

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 740.14.35	Authorized officer: David Lopez-Ramirez Telephone No. (41-22) 338.83.38
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## PATENT COOPERATION TREATY

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## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
 US Department of Commerce  
 United States Patent and Trademark  
 Office, PCT  
 2011 South Clark Place Room  
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 Arlington, VA 22202  
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 in its capacity as elected Office

Date of mailing (day/month/year) 15 March 2001 (15.03.01)	
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Applicant BARNHAM, Kevin, Jeffrey et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
 19 February 2001 (19.02.01)

☐ in a notice effecting later election filed with the International Bureau on:  
 \_\_\_\_\_

2. The election ☒ was  
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer C. Cupello Telephone No.: (41-22) 338.83.38
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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: BETA-AMYLOID PEPTIDE INHIBITORS

(57) Abstract: The present invention relates to compounds which inhibit the binding of metal ions to a region in the N-terminal loop of the  $\beta$ -amyloid peptide which includes a cluster of histidine residues. In addition, the invention relates to pharmaceutical compositions including these compounds as the active agent, and to methods of treatment involving the administration of these compounds. The compounds of the invention are useful in the treatment of Alzheimer's disease and other amyloid-related conditions. In a first aspect the present invention provides a compound which interacts with the  $\beta$ -amyloid peptide in such a way that the N-terminal loop of the peptide (amino acid residues 1-15) is blocked or destabilised, thereby inhibiting the binding of one or more metal ions to at least one histidine residue within the N-terminal loop. Preferably the compound inhibits binding of  $\text{Cu}^{2+}$ ,  $\text{Zn}^{2+}$  and  $\text{Fe}^{3+}$  ions, but not  $\text{Mg}^{2+}$  or  $\text{Ca}^{2+}$  ions.

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